

What the invention claimed is:

1 、 A buffering protective handheld controller, mainly with directional buttons and a number of functional buttons on the main unit; said the surface of the directional button is covered by a soft protective pad and surrounded by an elastic
5 ring that is enclosed in a layer of soft protective pad; said the bottom of the elastic ring is held by a multiple number of buffering devices; said the multiple molded axles at the bottom of the elastic ring all connect to an elastic ring at the bottom, so the elastic ring can float around the top of the slot and avoid jumping off the main unit;

10 at the bottom of the functional buttons, it adds buffering devices to enhance the pressure reduction when the button is pressed; besides, there is an elastic ring around the functional buttons; the elastic ring surface is covered by soft protective pad and is held by a multiple number of buffering devices at the bottom, where a number of molded axles connect to an elastic washer, so the elastic ring is limited
15 to float around the top of the slot and avoids jumping off the main unit;

the main unit has a special design of empty holes on the base and the rigid plastic handle of the top cover; the peripheral of the holes appears as sticking edges. outside the holes there is a soft pad fitting the handle; this soft pad placed into the holes can provide an arch effect; so under no pressure, the middle sticks out and

does not sink; while under pressure the soft pad has both sides against the sticking edges, so its middle sinks gradually to provide buffering effect;

through this, when the user presses the button, the user can hold the soft pad on the main unit with a firm grasp by fingers, the grasping force is minimized during use; when the user's hand presses the functional button or the directional button to the bottom, the touch action is on the soft protective elastic rings around the buttons; this not only provides a greater touch area but also pressure reduction by a multiple sets of buffering devices at the bottom of the elastic ring and cushion action on a number of axles and washers.

2 、As described in Claim 1 for a buffering protective controller, the buffering devices at the bottom of the functional buttons can be elastic silicone bushing with a through-hole at a certain height on its top to incorporate the functional button; by increasing the through-hole height, we can increase the pressure reduction for the functional button.

3 、As described in Claim 1 for a buffering protective controller, the bottom of the functional button there is a hollow elastic silicone pin to hold the bottom of the bushing. With this elastic pin, pressure alleviation is enhanced.

4 、As described in Claim 1 for a buffering protective controller, the buffering devices can be any pressure reducing devices like soft rubber, spring...etc.